Python Fun(damentals)

Python Variable Declaration

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Obscurity Labs

```
* Variable Declaration
* Variable Documentation
```

Python Variable Declaration

Declaring a string example:

```
>>> a = '1'
>>> b = '2'
>>> ab = a + b
>>> print(ab)
12
```

Declaring a int example:

```
>>> a = 1
>>> b = 2
>>> ab = a + b
>>> print(ab)
3
```

Notice what happen here?

Python Variable Declaration Cont.

Here is example using the `os` module in Python's core library.

```
>>> import os
>>> currentPid = os.getpid()
>>> print(currentPid)
45034
```

- Variables can be used to capture module results

- Documentation is key to understanding what a module Returns

- This allows proper use

Python Variable Documentation

If your lost its always best to READ THE DOCS. This will help you with what params, and return values and type.

https://docs.python.org/3/library/os.html

```
os.getpid()
        Return the current process id.
```

Lab_1.py

Tasking

Take the time to create two key variables, `currentProgram` which is a string that you define of the current program name. Second the use the python builtin os module to get current process id (PID) and declare it as `currentPid` . print both to the console using any method you would like to use.

Testing your work

NOTE: you should see Green `PASS` statements indicating you completed the lab

```
$ python lab_1.py
```

Lab_2.py

Tasking

Take the time to create two variables that will be used in the future projects. import the module `sys` and use it to get the current modules loaded in the current namespace for debug purposes. Please name this variable `systemMod` and than convert this variable to a string which will be placed into `systemModS` .

Testing your work

NOTE: you should see Green `PASS` statements indicating you completed the lab

```
$ python lab_2.py
```